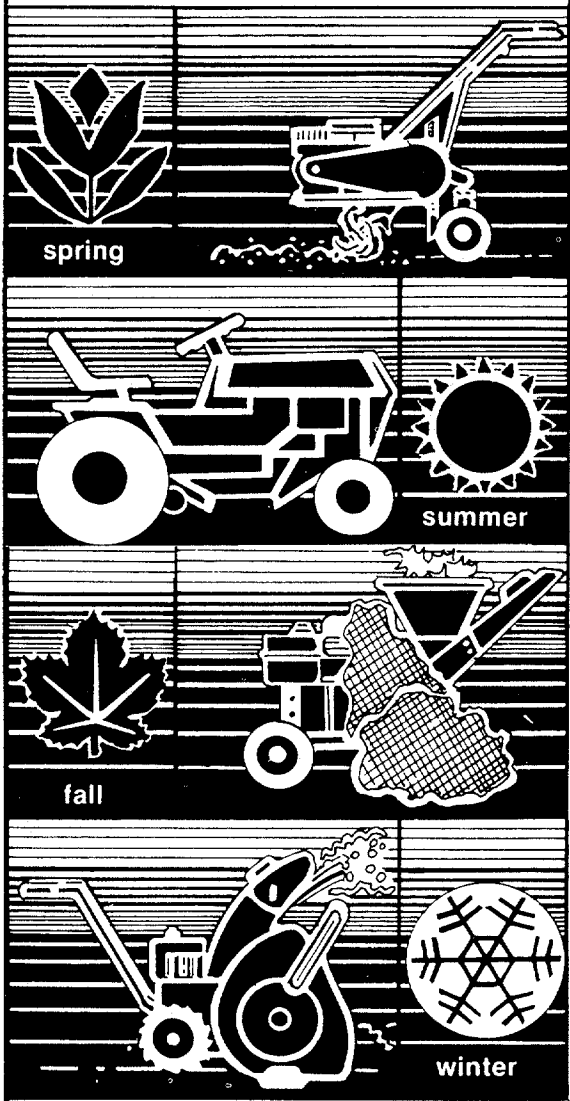


OWNER'S GUIDE

OUTDOOR POWER EQUIPMENT
for all seasons



22"
3 SPEED
ELECTRIC START
SELF-PROPELLED
ROTARY MOWER

Model Number
125-366-000



IMPORTANT

The battery pack is shipped in a partially charged state and must be charged 16 hours prior to initial use. Follow charging instructions on page 10.

Important:
Read Safety Rules and
Instructions Carefully

Thank you for purchasing
an American-built product.

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Instructions given with this symbol are for personal safety. Be sure to follow them.

LIMITED WARRANTY

For one year from the date of original retail purchase, MTD PRODUCTS INC will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by MTD PRODUCTS INC.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of MTD.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by MTD.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.



WARNING

This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester muffler is available at your nearest engine authorized service center.



WARNING

To reduce the potential for any injury, comply with the following safety instructions. Failure to comply with the instructions may result in personal injury.

SAFE OPERATION PRACTICES FOR WALK-BEHIND MOWERS

TRAINING

1. Read this owner's manual carefully in its entirety before attempting to assemble or operate this machine. Be completely familiar with the controls and the proper use of this machine before operating it. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. Your rotary mower is a precision piece of power equipment, not a plaything. Therefore, exercise extreme caution at all times.
3. Never allow children to operate a power mower. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
4. No one should operate this unit while intoxicated or while taking medication that impairs the senses or reactions.
5. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, an object may have been overlooked and could be accidentally thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area.

PREPARATION

1. Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, bones and other foreign objects which could be picked up and thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area.
2. Do not operate equipment when barefoot or wearing open sandals. Always wear substantial footwear.
3. Do not wear loose fitting clothing that could get caught on the mower.
4. Check the fuel before starting the engine. Gasoline is an extremely flammable fuel. Do not fill the gasoline tank indoors, while the engine is running, or while the engine is still hot. Wipe off any spilled gasoline before starting the engine as it may cause a fire or explosion.
5. Disengage the self-propelled mechanism or drive clutch on units so equipped before starting the engine.
6. The blade control handle is a safety device. Never attempt to bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating blade. The blade control handle must operate easily in both directions.
7. Never attempt to make a wheel or cutting height adjustment while the engine is running.
8. Mow only in daylight or in good artificial light.
9. Never operate the equipment in wet grass. Always be sure of your footing. A slip and fall can cause

serious personal injury. Keep a firm hold on the handle and walk, never run.

OPERATION

1. Do not change the engine governor settings or over-speed the engine. Excessive engine speeds are dangerous.
2. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade can cause injury.
3. Stop the blade when crossing gravel drives, walks or roads.
4. After striking a foreign object, stop the engine, remove the wire from the spark plug, and thoroughly inspect the mower for any damage. Repair the damage before restarting and operating the mower.
5. If the equipment should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
6. Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging the chute. The cutting blade continues to rotate for a few seconds after the engine is shut off. Never place any part of the body in the blade area until you are sure the blade has stopped rotating.
7. Before cleaning, repairing or inspecting, make certain the blade and all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the spark plug to prevent accidental starting.
8. Do not run the engine indoors.
9. Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes. Always be sure of your footing. A slip and fall can cause serious personal injury.
10. Always disconnect electric mowers (line operated) before cleaning, repairing or adjusting.
11. Never operate mower without proper guards, plates or other safety protective devices in place.
12. **DO NOT OPERATE** this mower with the chute door open, unless the complete grass catcher is properly mounted on the mower.

MAINTENANCE AND STORAGE

1. Check the blade and engine mounting bolts at frequent intervals for proper tightness.
2. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
3. Never store the equipment with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
4. To reduce fire hazard, keep the engine free of grass, leaves, or excessive grease.
5. Check the grass catcher bag frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.

IMPORTANT

A 9 mm wrench or socket wrench is required to assemble the three speed shift cable.

NOTE

This unit is shipped WITHOUT GASOLINE or OIL. After assembly, see separate engine manual for proper fuel and engine oil recommendations.

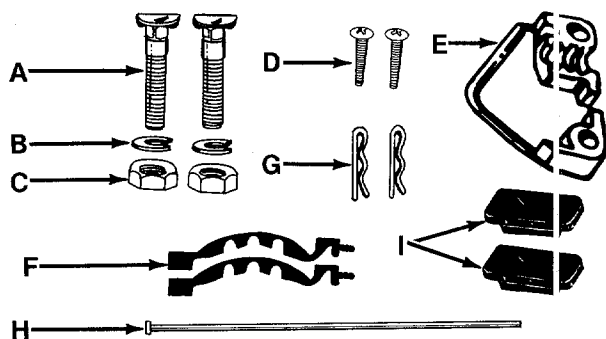


FIGURE 1.

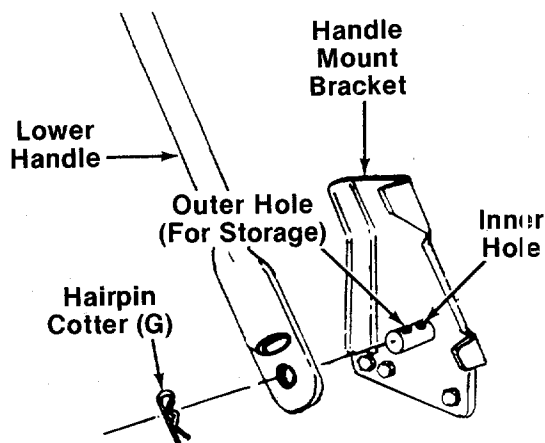


FIGURE 2.

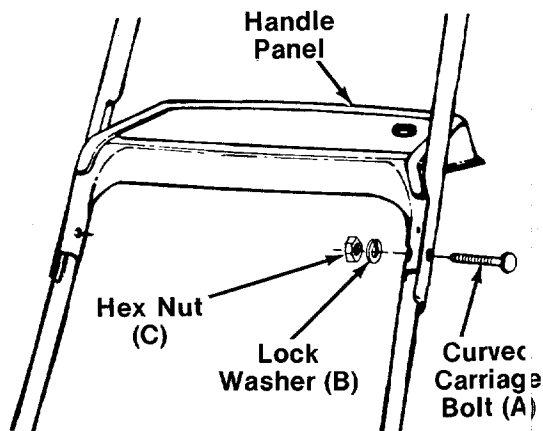


FIGURE 3.

ASSEMBLY

Contents of Hardware Pack: (See figure 1)

- A (2) Curved Head Carriage Bolts 1.38" Long
- B (3) Lock Washers 5/16" I.D.
- C (3) Hex Nuts 5/16-18 Thread
- D (2) Phillips Head Screws
- E (1) Plastic Cap
- F (2) Cable Ties
- G (2) Hairpin Cotter
- H (1) Pin 4 1/4" Long
- I (2) Plastic Plugs
- J (2) Front Hub Caps (Optional—Not Shown)
- K (2) Ignition Keys (Not Shown)

1. Remove the lawn mower, loose parts, hardware pack and literature from the carton. Make certain all parts and literature have been removed before the carton is discarded.
2. Extend all control cables and place on the floor. Be careful not to bend or kink control cables.
3. Place lower handle in position over weld pins in handle mount brackets on deck. Make certain the instruction label on the lower handle can be read from the operating position. Secure by placing two hairpin cotters (G) in inner hole on weld pins. See figure 2.

NOTE

It may be necessary to bend the ends of the lower handle inward slightly to obtain a snug fit against the bracket.

NOTE

There are two (2) holes in the handle mount brackets. Place hairpin cotter in the inner hole for operation. The outer hole is for storage.

4. Place handle panel and upper handle in position over lower handle. Control housing should be on the **left** side of the handle. Secure upper handle and handle panel with two curved carriage bolts (A), lock washers (B) and hex nuts (C). See figure 3.

NOTE

Reference to left or right side of machine is determined from operator's position at the handle facing forward.

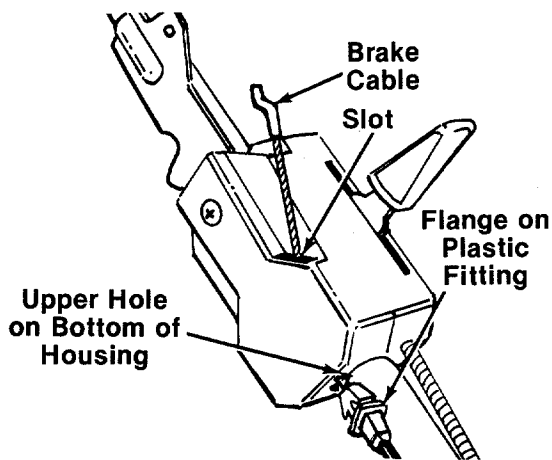


FIGURE 4.

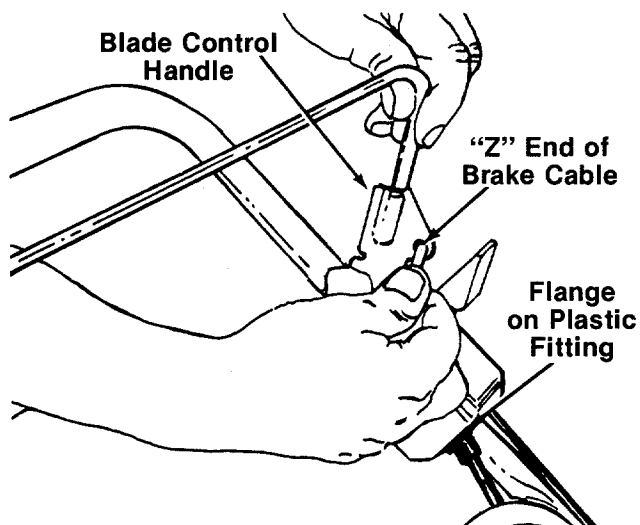


FIGURE 5.

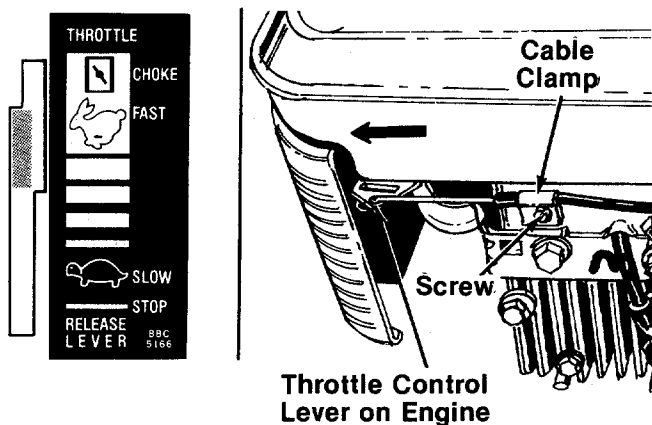


FIGURE 6.

5. The brake cable is attached to the engine. Route the brake cable under the lower handle. Place end of cable into the upper hole on the bottom of the control housing, and through the slot on the side of the housing as shown. The angle of the flange on the plastic fitting must be positioned downward as shown in figure 4. Be careful not to bend or kink the cable.



The cable must be assembled as shown for proper blade brake operation.

6. Snap the plastic fitting on the end of the cable into the control housing.

7. Hook the "Z" end of the brake cable into the hole in the brake control handle. See figure 5.

8. Place the throttle control lever on the handle forward until it stops in "Fast" position. (**Do not** push all the way forward to "Choke" position.) See figure 6.

9. The throttle control cable is attached to the upper handle. Hook the "Z" end of the throttle control cable into the hole in the control lever on the engine. See figure 6.

10. Loosen the screw on the cable clamp shown in figure 6. Slip the control casing under the clamp.

11. Slide the throttle control lever on the engine as far toward the outside of the engine as it will go **easily** as shown in figure 6. (**Do not** force it into the extreme outside position, which is the "Choke" position.) Then tighten the screw to secure the throttle control cable. Be certain the clamp is positioned so it holds the cable in a straight line, parallel to the engine shroud.

12. Loosen the screw on the clamp on the side of the engine. Secure the cable **away from the muffler**. Be careful not to bend or kink the cable. Tighten the screw.

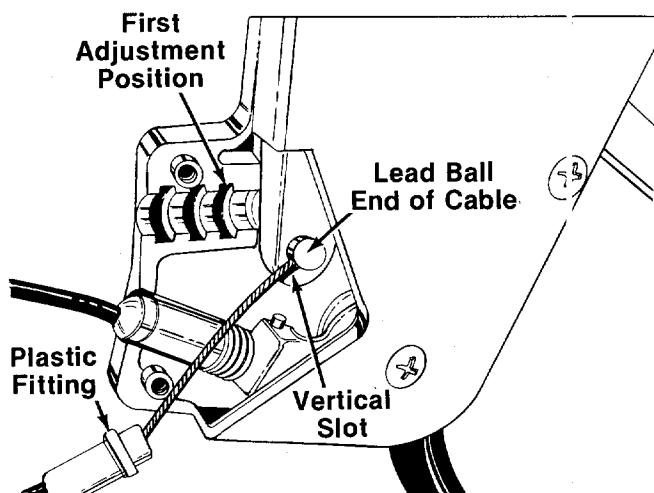


FIGURE 7.

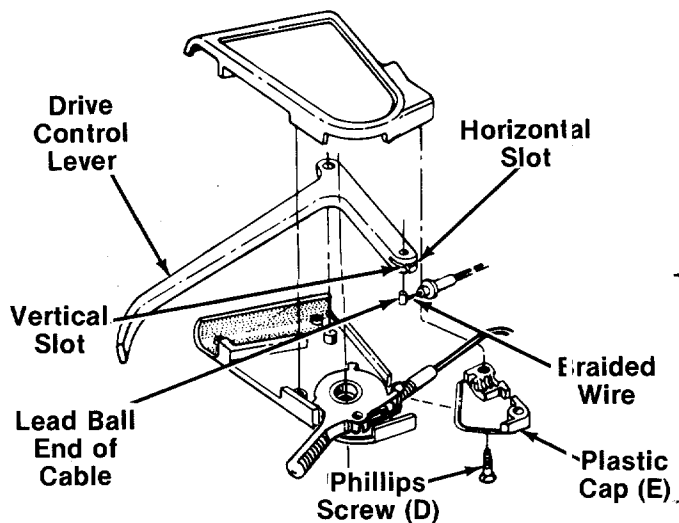


FIGURE 8.

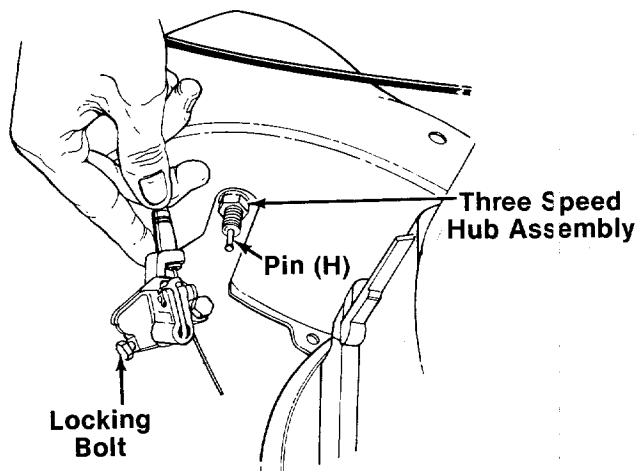


FIGURE 9.

13. The drive clutch control cable is attached to the deck. Attach the cable to the lever in the clutch control housing, located in the middle of the upper handle, as follows.

- a. Place the lead ball end of the cable into the fitting provided in the end of the clutch control lever. Slip the braided wire into the vertical slot as shown in figure 7.

- b. Slide the braided wire around in the horizontal slot. See figure 8.

- c. Place the plastic fitting on the control cable into the first adjustment position in the clutch control housing. See figure 7.

- d. Secure the plastic cap (E) to the clutch control housing using the two Phillips head screws (D). See figure 8.



WARNING

Drive clutch adjustment must be checked before the unit is operated, as described in the operation section.

14. The three speed shift cable is attached to the drive clutch control housing on the upper handle. Attach the shifting mechanism on the other end of the cable to the three speed hub assembly as follows.

- a. Place the three speed shift lever in the third speed position (all the way down).

- b. Insert pin (H) into hub assembly as shown in figure 9.

- c. Loosen the locking bolt on the mechanism shown in figure 9 using a 9 mm wrench or socket.

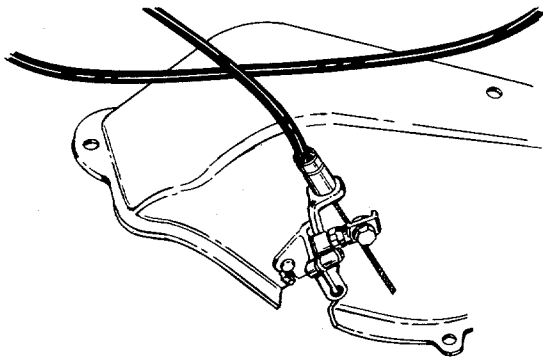


FIGURE 10.

- d. Push the mechanism on the end of the cable all the way onto the pin and hub assembly. Tighten the locking bolt while holding the mechanism firmly in place. See figure 10.

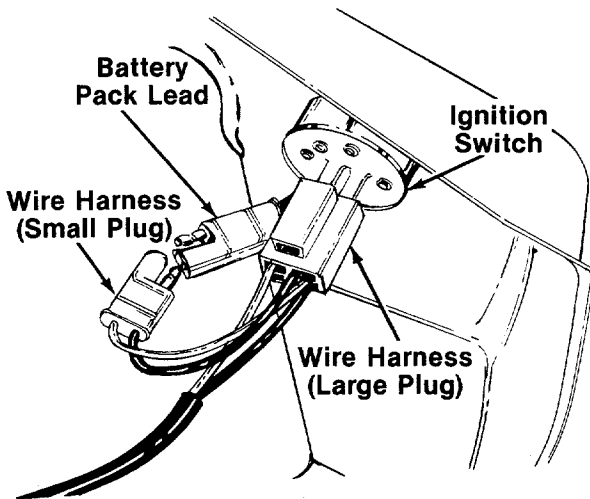


FIGURE 11.

15. Plug the large plug on the wire harness into the ignition switch. Plug the small plug on the wire harness into the battery pack lead. See figure 11.

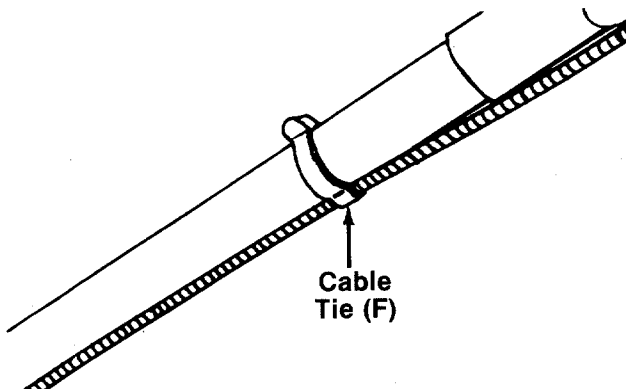
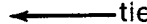


FIGURE 12.

16. Secure all control cables to handle with cable ties (F) provided. See figure 12.
17. Insert plastic plugs (I) into holes in the top rear of the deck by slipping one end of plug into hole, then pressing down on the other end of plug.
18. Attach hub caps (optional) to front wheels by lining up cap with hub of wheel. Push to snap in place.
19. Check **all** nuts and bolts for correct tightness.



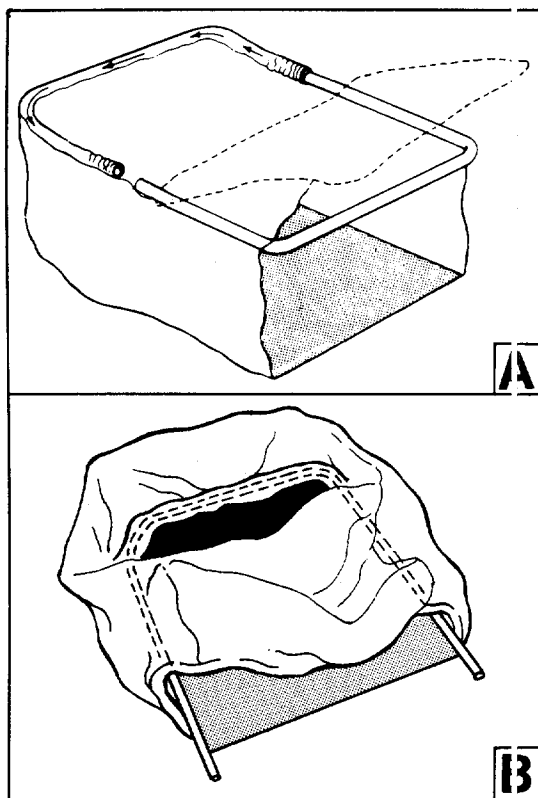


FIGURE 13—Bag with Flip Top Opening.

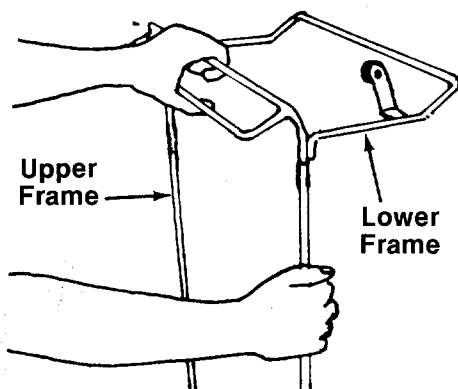


FIGURE 14.

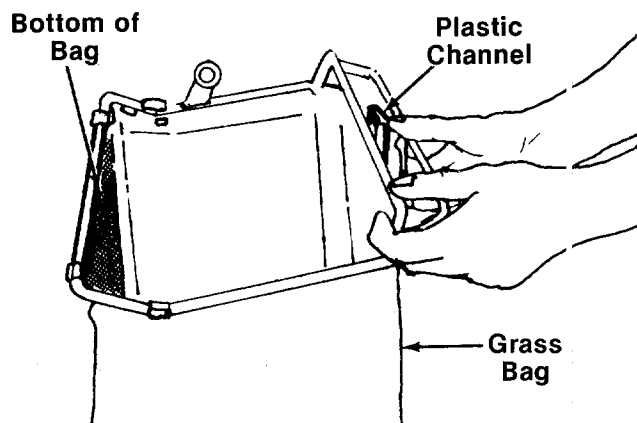


FIGURE 15.

Grass Catcher Assembly

There are two different types of grass bags, bags with and without flip top openings. Follow the instructions which pertain to your unit.

- ← 1. Grass Bags with Flip Top Opening:
 - a. Attach bag to rear frame by inserting one end of frame into pocket from inside bag. See figure 13A.
 - b. Thread all material on one side of frame before working it around the frame.
 - c. After threading, both ends of frame should be inside of bag. See figure 13B.

- ← 2. Join the upper frame and lower frame assembly as shown in figure 14.

3. Grass Bags without Flip Top Opening: Place bag over frame (black plastic side is the bottom of bag). Upper frame goes to the top of bag.
- ← 4. Secure bag to frame by slipping plastic channels on bag over frame. See figure 15.
5. Grass Bags with Flip Top Opening: Close top of bag by stretching loose material over the end of the frame.



WARNING

Never operate the mower with the bag open.

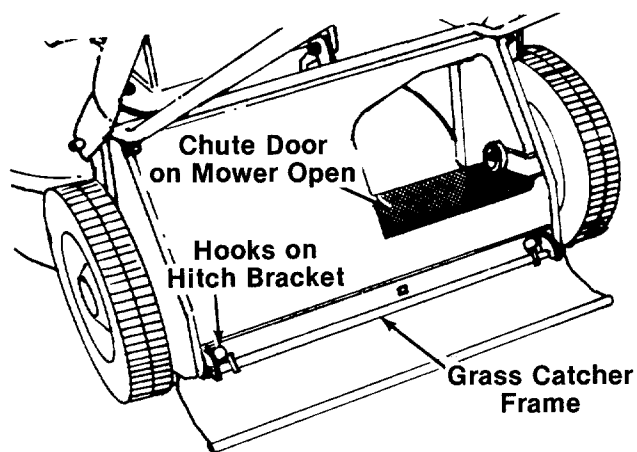


FIGURE 16.

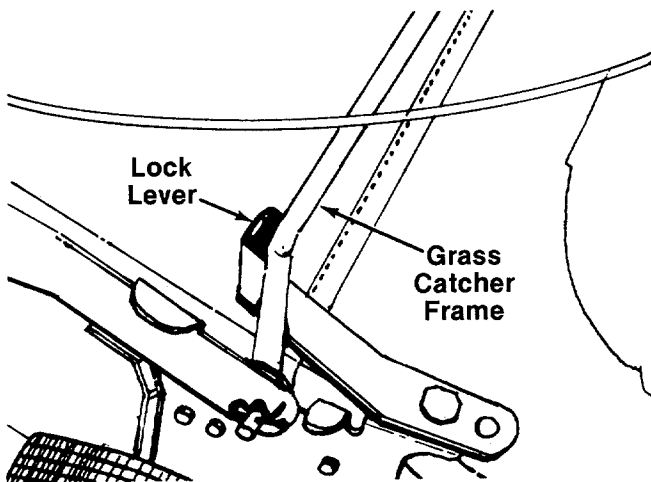


FIGURE 17.

To Attach Bag To Mower



WARNING

DO NOT operate the mower with the chute door open unless the complete grass catcher is properly mounted on the mower.

1. Attach the grass catcher frame to grass catcher hitch bracket on rear of the mower by hooking grass catcher into hooks on grass catcher hitch bracket. See figure 16.
2. Lift the rear of grass catcher up. The roller on the grass catcher will push the chute door on the mower open. See figure 16.



NOTE

Figure 16 is shown with the chute door open for clarity only.

The grass catcher frame will snap into place, secured by the lock lever. See figure 17.

To remove the grass catcher, unhook the lock lever and slip the grass catcher off the unit. See figure 17.

CONTROLS

THROTTLE CONTROL

The throttle is located on the left side of handle. It controls engine speed. See figure 18.

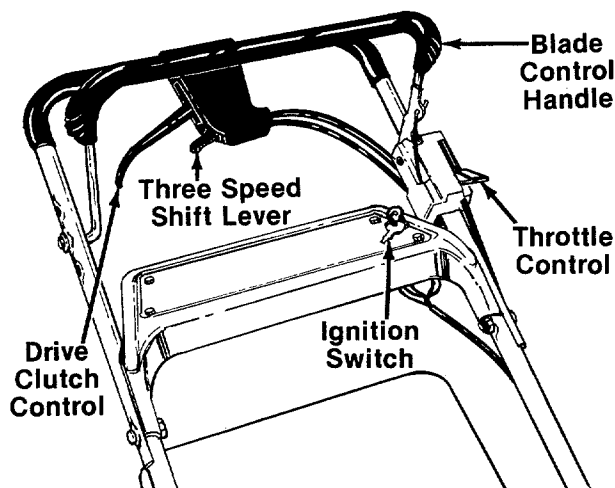


FIGURE 18.

BLADE CONTROL HANDLE

WARNING

THIS CONTROL MECHANISM IS A SAFETY DEVICE. NEVER ATTEMPT TO BYPASS ITS OPERATIONS

The blade control handle is located on the upper handle of the mower. See figure 18. The blade control handle must be depressed in order to operate the unit. Release the blade control handle to stop the engine and blade.



WARNING

The blade will be rotating whenever the engine is running.

IGNITION SWITCH

The ignition switch is located on the left side of handle panel. It is used for starting only. See figure 18.

DRIVE CLUTCH CONTROL

Squeezing the drive clutch control engages the drive mechanism to the rear wheels. Releasing the clutch control stops the rear wheels from driving. Release the drive clutch control to slow down when negotiating an obstacle, making a turn or stopping. See figure 18.

THREE SPEED SHIFT LEVER

The three speed shift lever is located on the drive clutch control housing on the upper handle. See figure 18. This lever is used to select the operating speed of the mower. Release the drive clutch control and stop the mower before changing speeds.



IMPORTANT

Do not move the shift lever while the drive clutch control is engaged.

OPERATION



FIGURE 19.

Keep hands and feet away from the chute area on cutting deck. See figure 19.



NOTE

For shipping purposes your mower is set with the wheels in a low cutting height position. For best results raise the cutting position until it is determined which height is best for your lawn. See cutting height adjustment section.

BEFORE STARTING



WARNING

The battery contains corrosive fluid and toxic material. **HANDLE WITH CARE.** Keep away from children. Do not puncture, disassemble, mutilate or incinerate. Explosive gases could be vented during charging or discharging. Use in a well-ventilated area, away from sources of ignition.

1. Charge battery for 16 hours before initial use. **DO NOT CHARGE LONGER THAN 20 HOURS.**



CAUTION

Use only the battery charger supplied with this mower.

To charge the battery, proceed as follows. See figure 20.

Always plug charger lead into battery pack lead before inserting battery charger plug into 120 volt standard household outlet.

After charging, disconnect battery charger plug from household outlet first, then disconnect charger lead from battery pack lead.



WARNING

Do not remove the battery pack from the handle panel for any reason other than replacement. When replacing the battery pack, refer to instructions in Maintenance section.

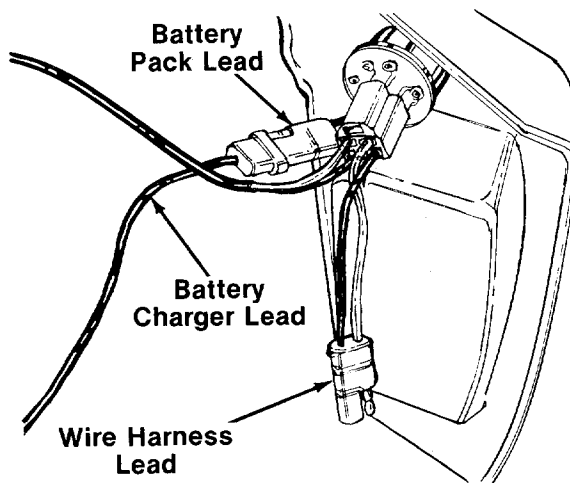


FIGURE 20.

2. Fill sump with oil as instructed in the separate engine manual packed with your unit.

3. Fill fuel tank, using clean, fresh, lead-free, low-lead or regular grade leaded gasoline. Fill tank completely!

DO NOT MIX OIL WITH GASOLINE.

4. Attach spark plug wire to spark plug.
5. Open fuel shut-off valve, located beneath the fuel tank. See figure 21.

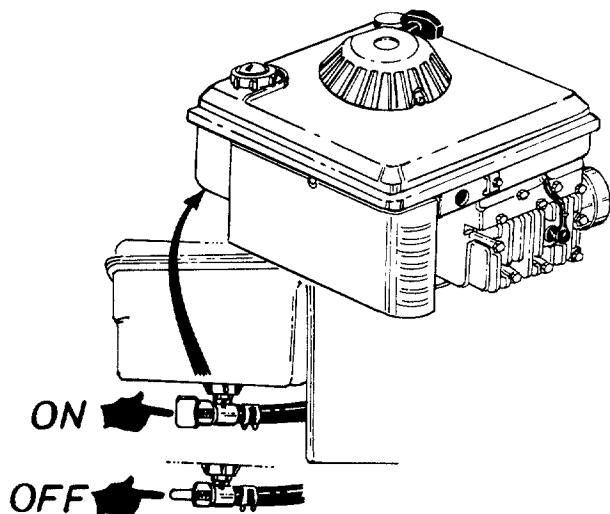


FIGURE 21.

6. Before each use, check for proper drive clutch operation by performing the following before starting the engine:

With the drive clutch control released, push mower forward. It should move freely. **Pull mower backward. It should move freely.**

If it does not and the rear wheels tend to lock up, the clutch may not be releasing completely. Do not start the engine until corrections have been made. Check the control cable for severe bend, kinks and binding, or grass build-up in the pulley groove. Correct and adjust as required.

TO START ENGINE AND ENGAGE BLADE



When starting the unit for the first time, face the mower against a solid object such as a wall, fence, etc. Start the unit, and if it shows any signs of motion with the drive clutch control disengaged, shut the engine off immediately. Check the position of the drive clutch control cable. The plastic fitting must be assembled in the first adjustment position inside the housing, all the way to the right, as shown in figure 7.

1. Move throttle control lever to CHOKE position.
2. Standing behind the unit, depress the blade control handle and hold it against the upper handle as shown in figure 22. Be certain the drive clutch handle is released.
3. Turn the ignition key to the right to start the engine. Release the key after engine starts.
4. After engine starts, move throttle control to FAST or desired engine speed.



Place the three speed shift lever in first speed position (all the way up) when operating the unit for the first time.

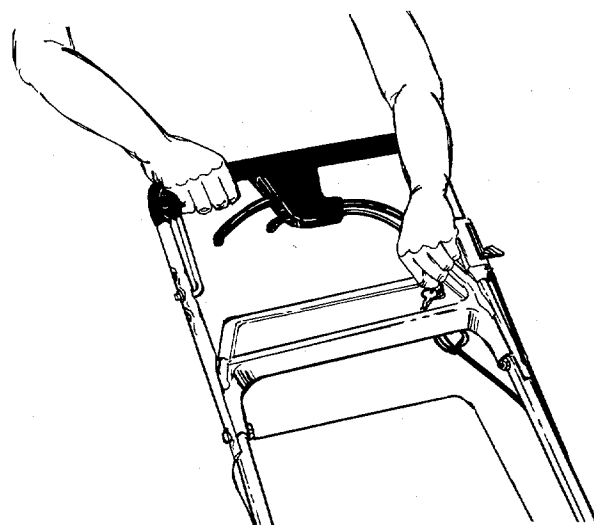


FIGURE 22.

TO STOP ENGINE AND BLADE

1. Release the blade control handle to stop the engine and blade.



The blade continues to rotate for a few seconds after the engine is shut off.

2. Disconnect spark plug wire from spark plug and ground against the engine to prevent accidental starting while equipment is unattended.

USING YOUR ROTARY MOWER



WARNING

DO NOT operate the mower with the chute door open unless the complete grass catcher is properly mounted on the mower.

Be sure that lawn is clear of stones, sticks, wire, or other objects which could damage lawn mower or engine. Such objects could be accidentally thrown by the mower in any direction and cause serious personal injury to the operator and others.

Operate a new engine at intermediate speeds and light load for the first few hours as you would a new automotive engine.

For the best results, do not cut wet grass because it tends to stick to the underside of the mower, preventing proper discharge of grass clippings, and could cause you to slip and fall. New grass or thick grass may require a narrower cut. Blade speed should be adjusted to the condition of the lawn.

For best results, cut off one-third or less of the total length of the grass. Lawn should be cut in the fall as long as there is growth.

This mower is designed to be operated at full throttle to give you the best cut and do the most effective job of bagging the cut grass.



IMPORTANT

If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower. Extensive vibration of the mower during operation is an indication of damage. The unit should be promptly inspected and repaired.

ADJUSTMENTS



CAUTION

Do not at any time make any adjustment to lawn mower without first stopping engine and disconnecting spark plug wire.

DRIVE CLUTCH CONTROL ADJUSTMENT

If the unit does not self-propel with the drive clutch control engaged, remove the plastic cap from beneath the drive clutch control housing. Move the plastic fitting on the control cable to the next adjustment position on the left. Reassemble the plastic cap and retest. See figure 23.

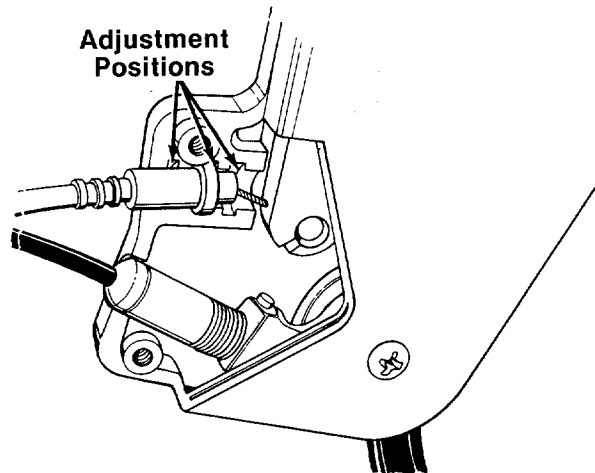


FIGURE 23.

CUTTING HEIGHT ADJUSTMENT

An adjusting plate and thumb lever at each wheel position provides cutting height adjustment. Each adjusting plate has five holes. Height of cut will be changed when the thumb lever is moved from one hole to another. Simply depress the lever towards wheel and move wheel and lever assembly to desired position. See figure 24.

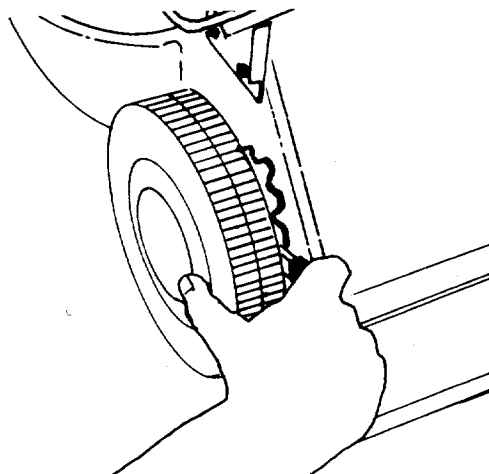


FIGURE 24.

Cutting height will be raised as front and rear levers are lowered. Cutting height will be lowered as front and rear levers are raised. All wheels must be placed in the same relative position.

For rough or uneven lawns, move the wheels to a position which will give a higher cutting height.

THROTTLE

The throttle control wire assembly can be adjusted if necessary. Refer to steps 8 thru 12 of Assembly Instructions.

CARBURETOR ADJUSTMENTS

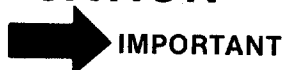


If any adjustments are made to the engine while the engine is running (e.g. carburetor), keep clear of all moving parts. Be careful of heated surfaces and muffler.

Minor carburetor adjustments may be required to compensate for differences in fuel, temperature, altitude and load.

Refer to the separate engine manual packed with your mower for carburetor adjustment information.

LUBRICATION



Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn mower.

Blade Control—Lubricate the pivot points on the blade control handle and the brake cable at least once a season with light oil. The control must operate freely in both directions.

Discharge Chute Door Mechanism—The torsion spring and pivot point should be lubricated periodically with light oil to prevent any rust or binding. Door must work freely.

Wheels—Mower is provided with ball bearing wheels. Lubricate at least once a season with light oil. Also, if the wheels are removed for any reason, lubricate the surface of the axle bolt and the inner surface of the wheel with light oil. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

Engine—Follow engine manual for lubrication instructions.

Throttle—Periodically lubricate throttle control lever and throttle wire assembly with a few drops of light oil for ease of operation.

Chain—The chain should be lubricated periodically with a few drops of light oil to prevent any rust or binding. Use very little or no oil if unit is being used in a dusty or sandy area.

MAINTENANCE



Be sure to disconnect and ground the spark plug wire before performing any repairs or maintenance.



When tipping the unit, empty the fuel tank and keep engine spark plug side up.

BATTERY PACK REPLACEMENT

Remove the battery pack from the handle panel for replacement only. Do not separate the batteries for any reason. Dispose of batteries properly.



Batteries contain sulfuric acid which may cause burns. Do not short circuit or mutilate in any way. Do not put batteries in fire. They may burst or release toxic materials.

When replacing battery pack in handle panel, battery pack must be positioned with the positive terminal to the left hand side and the negative terminal to the right hand side of panel. See figure 25.

Replacing the battery pack incorrectly will cause serious damage.

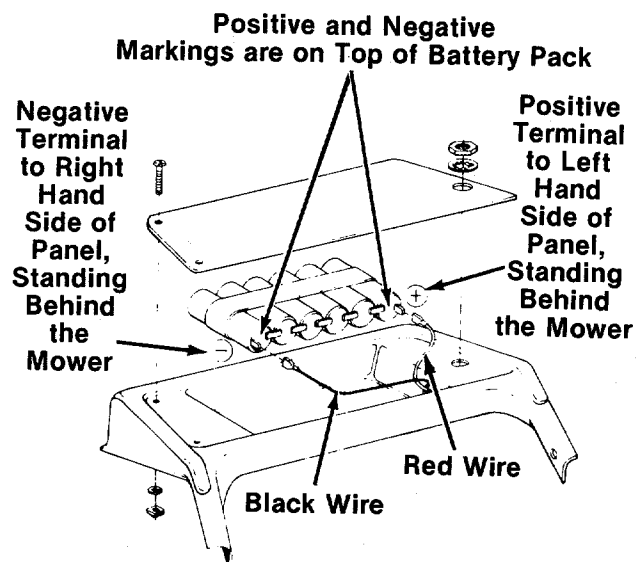


FIGURE 25.

CUTTING BLADE

A. Removal for Sharpening or Replacement



WARNING

Be sure to disconnect and ground the spark plug wire before working on the cutting blade to prevent accidental engine starting.

Remove the large bolt and lock washer which holds the blade and adapter to the engine crankshaft. Remove the blade and adapter from the crankshaft.

If the blade or blade adapter needs replacing, remove the two small bolts, lock washers and nuts which hold the blade to the adapter.



CAUTION

Periodically inspect the blade adapter for cracks, especially if you strike a foreign object. Replace when necessary.

B. Sharpening

Remove the cutting blade by following the directions of the preceding section.

When sharpening the blade, follow the original angle of grind as a guide. It is **extremely important** that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds, may cause damage to the mower and could break, causing personal injury.

It is recommended that the blade always be removed from the adapter for the best test of balance. The blade can be tested by balancing it on a round shaft screwdriver. Remove metal from the heavy side until it balances evenly.

C. Reassembly

Before reassembling the blade and the blade adapter to the unit, lubricate the engine crankshaft and the inner surface of the blade adapter with light oil. Lubricating the bolt holes, bolts and inner surface of the nuts with light oil is also recommended. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

When replacing the blade, be sure to install the blade with the side of the blade marked "Bottom" (or with part number) facing the ground when the mower is in the operating position.

Blade Mounting Torque

3/8" Dia. Bolt 375 in. lb. min., 450 in. lb. max.
5/16" Dia. Bolt 150 in. lb. min., 250 in. lb. max.

To insure safe operation of your unit, **all** nuts and bolts must be checked periodically for correct tightness.

To insure safe operation of your unit, **all** nuts and bolts must be checked periodically for correct tightness.

DECK

The underside of mower deck should be cleaned after each period of use as grass clippings, leaves, dirt and other matter will accumulate. This accumulation of grass clippings, etc., is undesirable as it will invite rust and corrosion and may cause an uneven discharge of grass clippings at the next cutting.

The deck may be cleaned by tilting the mower forward or on its side and scraping clean with a suitable tool or by washing with a stream of water from a garden hose.



NOTE

Do not direct the stream of water at a hot engine as damage to the engine may result.

ENGINE OIL

Check oil level before starting engine and after every 5 hours of operation. ADD oil as necessary to keep level to full mark on dipstick. Before removing dipstick, clean area around dipstick to prevent dirt from entering oil fill tube. Engine should be in a level position when checking oil.

Change oil after first 5 hours of operation. Thereafter change every 25 hours. Change oil while engine is warm. Oil may be drained thru oil drain on bottom of the engine. Oil capacity 1 1/4 pints.

AIR CLEANER

Service air cleaner every 25 hours under normal conditions. Clean every few hours under extremely dusty conditions. Poor engine performance and flooding usually indicates that the air cleaner should be serviced.

To service the air cleaner, refer to the separate engine manual packed with your unit.

SPARK PLUG

The spark plug should be cleaned and the gap reset once a season. Spark plug replacement is recommended at the start of each mowing season; check engine manual for correct plug type and gap specifications.

STORAGE OF THE BATTERY

The battery must be stored with a full charge. A discharged battery will freeze.



IMPORTANT

All batteries discharge during storage.

Recharge battery every two months and before returning to service. Refer to charging instructions on page 10.

BELT REMOVAL AND REPLACEMENT

1. Disconnect the spark plug wire and ground it.
2. Drain the fuel tank or place a piece of plastic film beneath the cap to prevent gasoline leakage.
3. Remove the mechanism for the three speed shift cable from the three speed hub. Refer to Assembly Instructions.
4. Remove the 15 mm nut which holds the three speed hub to the belt guard. See figure 26.
5. Remove the three screws which hold the belt guard (and idler assembly). See figure 26.

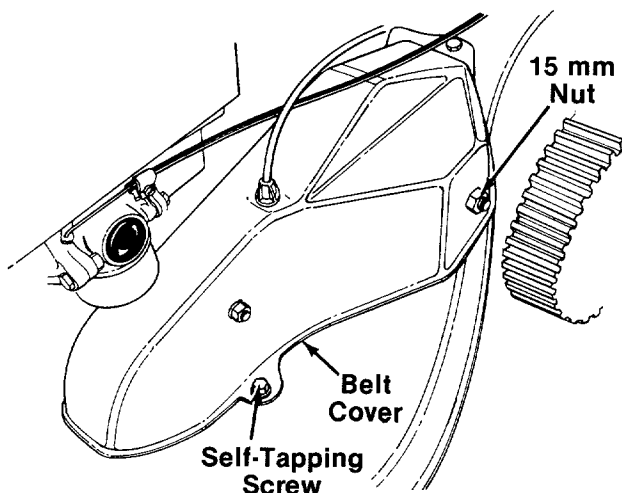


FIGURE 26.

6. Remove the belt from the idler as you lift off the belt guard.
7. Slide the belt off the pulley as shown in figure 27.
8. Loosen the nut on the inside of the three speed hub. See figure 27.

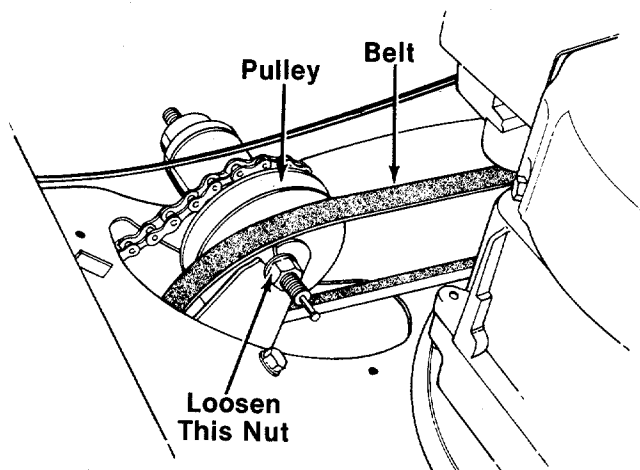


FIGURE 27.

9. Lift the three speed hub out of the three speed hub bracket. See figure 28.



NOTE

When reassembling the three speed hub, be certain the washer is between the hub bracket and the pulley.

10. Remove the belt from the pulley and the engine pulley.

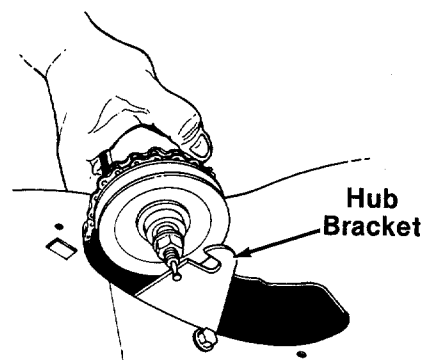


FIGURE 28.

11. Reassemble in reverse order with the new belt, making certain the idler pulley is under the belt. See figure 29.

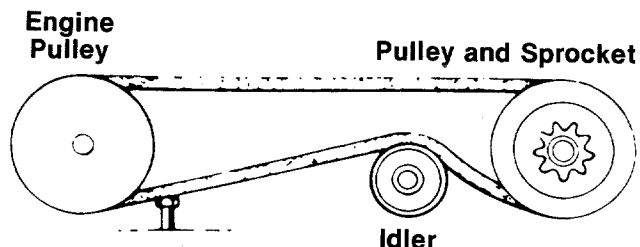


FIGURE 29.

OFF-SEASON STORAGE

The following steps should be taken to prepare lawn mower for storage.

1. Clean and lubricate mower thoroughly as described in the lubrication instructions.
2. Refer to engine manual for correct engine storage instructions.
3. Coat mower's cutting blade with chassis grease to prevent rusting.
4. Follow battery storage instructions on page 15.
5. Store mower in a dry, clean area.



NOTE

When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rustproof the equipment. Using a light oil or silicone, coat the equipment, especially the bearings and cables.

HANDLE STORAGE

The handle can be stored in an upright position to take less space. Move hairpin cotter to outer hole on weld pins (see figure 2). Grasp the lower handle at the bottom and pull apart slightly. Tip the handle forward. It will lock in this position. Reverse this procedure to place the handle in the operating position.

 NOTE

The use of any accessory on this Rotary Mower other than those manufactured by the mower manufacturer is **not** recommended.

GRASS CATCHER Model 028 is available as replacement equipment for the mower shown in this manual.



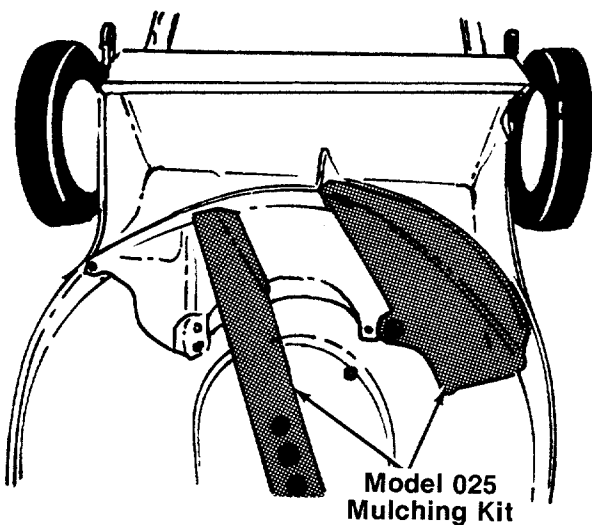
WARNING

1. DO NOT operate the mower with the chute door open unless the complete grass catcher is properly mounted on the mower.
2. DO NOT operate the mower without the protective shield on the rear of the deck in place.

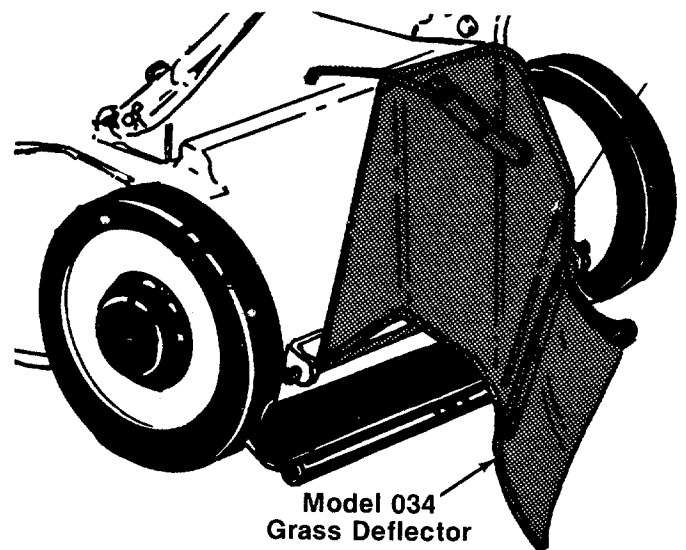
 NOTE

Under normal usage bag material is subject to wear and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

For replacement bags, use only factory authorized replacement bag No. 764-0171 (without Flip Top) or 764-0170 (with Flip Top).



**Model 025
Mulching Kit**



**Model 034
Grass Deflector**

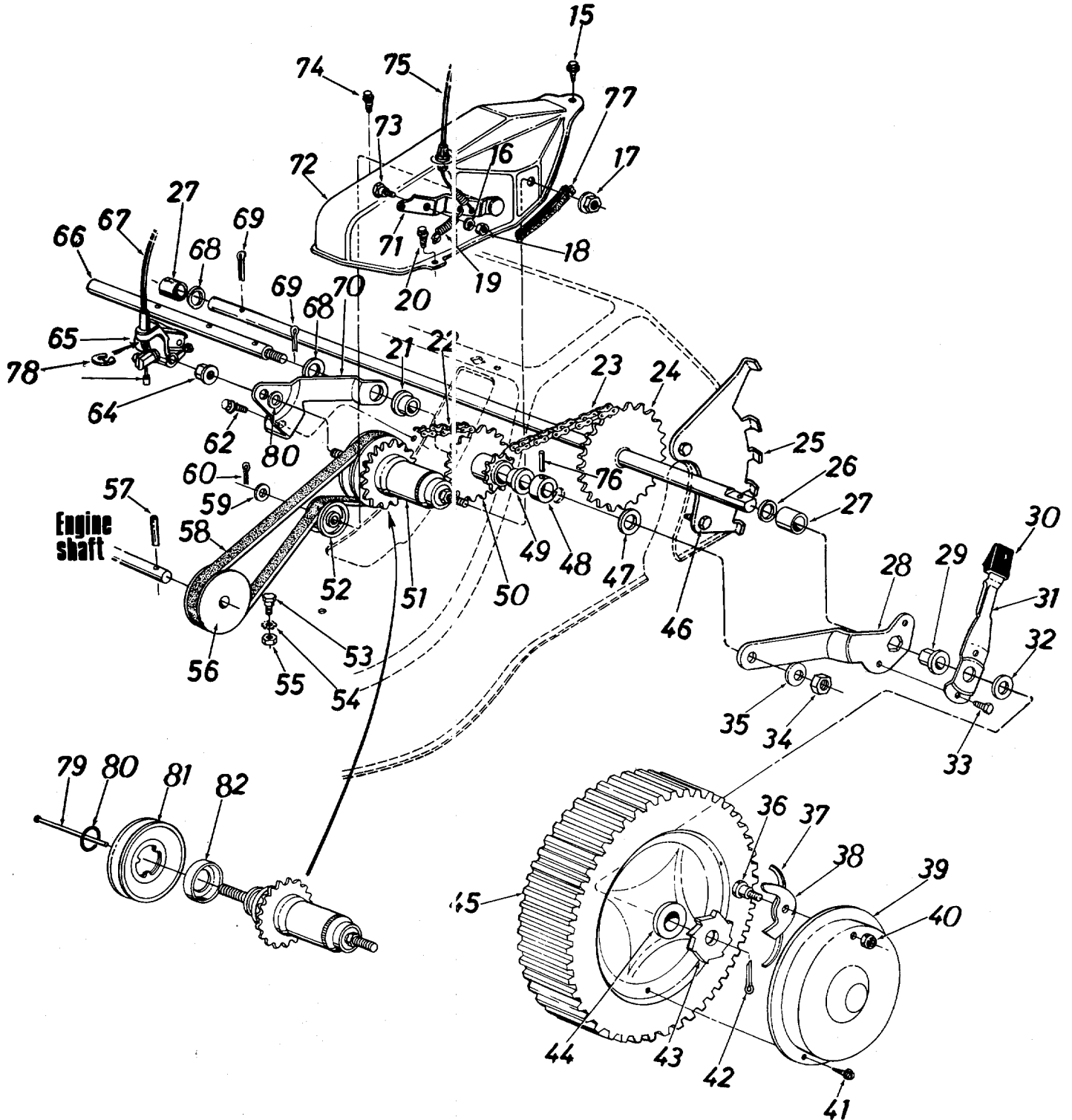
Mulching Kit model 195-025-000 and Grass Deflector model 195-034-000 are available as optional equipment.

Model 366



NOTE

This instruction manual covers various models, and all specifications shown do not necessarily apply to your model. Specifications subject to change without notice or obligation.



Model 366

PARTS LIST FOR MODEL 366 ROTARY MOWER

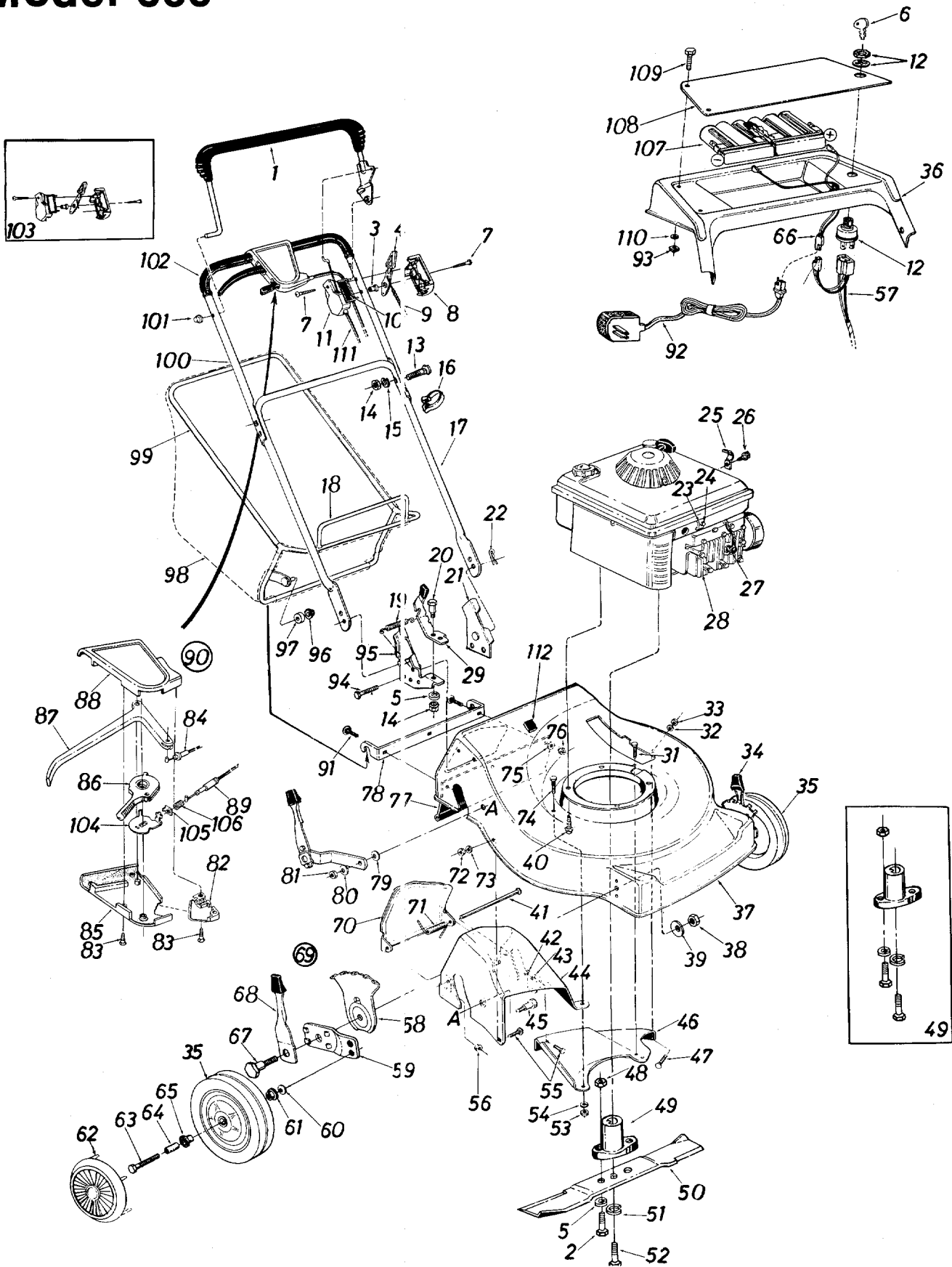
REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
15	710-0456		Hex Drilling Scr. #10 x .50" Lg.		47	736-0219		Bell-Wash. .400" I.D. x 1.13" O.D.	
16	736-0329		L-Wash. 1/4" I.D.*		48	750-0387		Spacer .505" I.D. x .88" O.D.	
17	712-0340		Hex Nut 3/8-24 Thd. (Special)	N	49	741-0248		Flg. Brg. .506" I.D. Plastic	N
18	712-0287		Hex Nut 1/4-20 Thd.*		50	713-0359		9 and 21 Tooth Sprocket Ass'y.	N
19	732-0357		Extension Spring .33" O.D. x 1.12" Lg.		51	717-0825		Shimano 3-Sp. Hub w/18 Tooth Sprocket	N
20	710-0599		Hex Wash. S-Tap Scr. 1/4-20 x .50" Lg.		52	756-0360		Fl-Idler Plastic 1.62" Dia.	
21	741-0248		Flg. Brg. .506" I.D.—Plastic		53	738-0140		Shld. Bolt .437" Dia. x .180	
22	713-0361		#48 Chain 1/2" Pitch x 38 Links (Endless)		54	736-0119		L-Wash. 5/16" I.D.*	
23	713-0256		#48 Chain 1/2" Pitch x 32 Links (Endless)		55	712-0267		Hex Nut 5/16-18 Thd.*	
24	13414		Rear Shaft Ass'y. 20.75" Lg.		56	756-0462		1/2" "V"-Engine Pulley .50" I.D. x 2.80" O.D.	
25	16097		Index Plate Rear—L.H.	N	57	715-0144		Spring Pin Spir. 3/16" Dia. x 1.50" Lg.	
	16098		Index Plate Rear—R.H. (Not Shown)	N	58	754-0292		"V"-Belt 1/2" x 26.0" Lg.	N
26	736-0326		Fl-Wash. .510" I.D. x 1.0" O.D.		59	736-0160		Fl-Wash. .531" I.D. x .930" O.D.	
27	750-0190		Spacer .740" I.D. x .83" O.D.		60	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
28	16099		Pivot Brkt.—L.H.	N	62	710-0726		Hex Wash. Hd. Tap Scr. 5/16-18 x .75" Lg.	
	16100		Pivot Brkt.—R.H. (Not Shown)	N	63	736-0226		Fl-Wash. .469" I.D. x .88" O.D.	
29	741-0324		Hex Flange Brg. .506" I.D.—Plastic		64	712-0340		Hex Nut 3/8-24 Thd. (Special)	N
30	720-0190		Spring Lever Knob		65	717-0824		Shimano 3-Sp. Shift Bell Crank	N
31	732-0467		Spring Lever	N	66	738-0471		Pulley Shaft 10" Lg.	N
32	736-0160		Fl-Wash. .531" I.D. x .930" O.D.		67	717-0823		Shimano 3-Sp. Solid Shift Cable	N
33	710-0352		Hex B-Tap Scr. 1/4 x .38" Lg.		68	736-0160		Fl-Wash. .531" I.D. x .930" O.D.	
34	712-0342		Hex Jam Nut 3/8-16 Thd.		69	714-0111		Cotter Pin 3/32" Dia. x 1.00" Lg.*	
35	736-0105		Bell-Wash. .400" I.D. x .88" O.D.		70	16304		3-Sp. Hub Bracket	N
36	738-0137		Shld. Bolt .342" Dia. x .268		71	13415		Idler Bracket Ass'y.	
37	10622		Spring—Nylon		72	16305		3-Sp. Belt Cover	N
38	748-0188		Pawl		73	738-0255		Shld. Bolt .375" Dia. x .181	
39	10647		Hub Cap		74	710-0642		Hex TT-Tap Scr. 1/4-20 x .75" Lg.	
40	712-0324		Hex Ins. L-Nut 1/4-20 Thd.		75	746-0466		S.P. Cable—53" Lg.—Blue	N
41	710-0748		Pan Hd. Tap Scr. #12 x .50" Lg.*		76	715-0120		Spring Pin Spir. 3/16" Dia. x 1.0" Lg.	
42	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*		77	731-0511		Trim Strip	
43	748-0187		Ratchet Wheel 1.62" O.D.		78	717-0832		Snap Ring (Special)	N
44	741-0180		Fl-Ball Brg. 1/2" I.D.		79	717-0830		Shifting Pin (Special)	N
45	734-1026		Wheel Ass'y. Comp. & x 1.75		80	717-0826		Pulley Snap Ring (Special)	N
46	710-0892		Hex L-Wash. Hd. AB-Tap Scr. 1/4 x .62" Lg.		81	756-0463		1/2" V-Pulley 1.375" I.D. x 3.25" O.D.	N
					82	717-0831		Shimano 3-Sp. Dust Cover	N

(462—Red Flake)

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

When ordering parts, if color or finish is important use the appropriate color code shown above. (e.g. Red Flake Finish—11836 (462).)

Model 366



Model 366

PARTS LIST FOR MODEL 366 ROTARY MOWER

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	731-0609		L.H. Bail Ass'y.		48	712-0123		Hex Nut 5/16-24 Thd.*	
2	710-0888		Hex Bolt 5/16-24 x 1.00" Lg. (Grade 5)		49	753-0348		Blade Adapter Kit	
3	731-0524		Control Disc Pin		50	742-0125		22" Blade	
4	731-0528		Throttle Control Lever		51	736-0217		L-Wash. 3/8" I.D. Heavy Duty	
5	736-0119		L-Wash. 5/16" I.D.*		52	710-0331		Hex Bolt 3/8-24 x 2.25" Lg. (Grade 5)	
6	725-0201		Ignition Key		53	712-0287		Hex Nut 1/4-20 Thd.*	
7	710-0796		Truss Mach. Hi-B Tap Scr. #12 x 1.50" Lg.		54	736-0329		L-Wash. 1/4" I.D.*	
8	731-0523		Control Panel Half		55	710-0167		Carr. Bolt 1/4-20 x .50" Lg.*	
9	746-0472		Throttle Control Wire—58" Lg.		56	712-0271		Hex Sems Nut 1/4-20 Thd.	
10	777-5166		Control Label		57	725-1096		Wire Harness	N
11	731-0526		Clutch Panel Half		58	15261		Height Adj. Plate	
12	725-0873		Ignition Switch	N	59	15262		Wheel Pivot Bar	
13	710-0405		Curved Carr. Bolt 5/16-18 x 1.75" Lg.		60	736-0105		Bell-Wash. .40" I.D. x .88" O.D.	
14	712-0267		Hex Nut 5/16-18 Thd.*		61	741-0267		Fig. Ball Brg. 3/8" I.D.	
15	736-0119		L-Wash. 5/16" I.D.*		62	731-0124		Plastic Hub Cap	
16	726-0192		Cable Tie		63	710-0347		Hex Bolt 3/8-16 x 1.75" Lg.	
17	749-0505		Lower Handle		64	750-0434		Spacer .375" I.D. x .505" O.D.	
18	14582		Catcher Lower Frame Ass'y.		65	741-0484		Fig. Ball Brg. 1/2" I.D.	
19	732-0357		Extension Spring		66	725-1106		Battery Pack Lead	N
20	738-0155		Shld. Bolt .437" Dia. x .162		67	738-0507		Shld. Bolt .50" Dia. x .430	
21	14158		Handle Bracket Ass'y.—L.H.		68	14832		Spring Lever Ass'y. w/Knob	
22	714-0104		Hairpin Cotter 5/16" Dia.		69	14578		Height Adj. Ass'y.—R.H.	
23	751-0333		Casing Clamp		70	13407		Chute Door	
24	710-0895		Hex Sems Scr. #10-32 x .62" Lg.		71	732-0346		Torsion Spring	
25	12894		Cable Clip		72	712-0287		Hex Nut 1/4-20 Thd.*	
26	710-0429		Hex "B"-Tap Scr. #10 x .38" Lg.		73	736-0329		L-Wash. 1/4" I.D.*	
27	735-0639		Spark Plug Insulator		74	710-0206		Hex Bolt 1/4-20 x .88" Lg.	
28	4 H.P.		Engine B&S 110787-3175-02		75	736-0211		FI-Wash. .285" I.D. x 1.25" O.D.	
29	736-0119		L-Wash. 5/16" I.D.*		76	712-0271		Hex Sems Nut 1/4-20 Thd.	
30	712-0267		Hex Nut 5/16-18 Thd.*		77	731-0664		Rear Flap	
31	710-0642		Hex TT-Tap Scr. 1/4-20 x .75" Lg.		78	14012		Grass Catcher Hitch Brkt.	
32	736-0329		L-Wash. 1/4" I.D.*		79	736-0219		Bell-Wash. .400" I.D. x 1.13" O.D.	
33	712-0287		Hex Nut 1/4-20 Thd.*		80	736-0105		Bell-Wash. .400" I.D. x .88" O.D.	
34	14579		Height Adj. Ass'y.—L.H.		81	712-0342		Hex Jam Nut 3/8-16 Thd.	
35	734-0643		Front Wheel Ass'y. Comp. 8 x 1.75		82	731-0763		Cable Mounting Cap	N
36	731-0741		Handle Panel	N	83	710-0841		Flat "C"-Sunk Hd. Tap Scr. #10 x .75" Lg.	
37	16327		22" Deck Ass'y.	N	84	746-0466		S.P. Cable x 53" Lg.	N
38	712-0798		Hex Nut 3/8-16 Thd.*		85	731-0762		3-Sp. S.P. Control—Lower Cover	N
39	736-0356		Bell-Wash. .39" I.D. x 1.38" O.D.		86	717-0822		Shimano 3-Sp. Shift Lever	N
40	710-0654		Hex Wash. Hd. TT-Tap Scr. 3/8-16 x 1.0" Lg.		87	731-0620		Control Lever	
41	738-0386		Hinge Pin		88	731-0761		3-Sp. S.P. Control—Upper Cover	N
42	712-0287		Hex Nut 1/4-20 Thd.*		89	717-0823		Shimano 3-Sp. Solid Shift Cable	N
43	736-0329		L-Wash. 1/4" I.D.*		90	753-0417		Clutch Control Housing Comp.	N
44	14236		Rear Chute—R.H.		91	710-0703		Carr. Bolt 1/4-20 x .75" Lg.*	
45	738-0430		Shld. Bolt .500" Dia. x .685"		92	725-0727		Battery Charger	
46	14014		Rear Baffle—L.H.		93	712-0142		Hex Nut #8-32 Thd.	
47	710-0167		Carr. Bolt 1/4-20 x .50" Lg.*		94	710-0412		Hex Bolt 1/4-28 x .75" Lg.*	

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PARTS LIST FOR MODEL 366 ROTARY MOWER (CONTINUED)

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
95	14752		Handle Bracket Ass'y.— R.H.	
96	726-0100		Push Nut 3/8" Rod	
97	731-0430		Plastic Roller	
98	764-0171		Grass Bag	
99	749-0278		Catcher Upper Frame	
100	749-0437		Upper Handle	
101	726-0135		Cap Speed Nut	
102	718-0145		Grip	
103	753-0361		Control Housing Comp.	
104	717-0827		Shimano 3-Sp. Shift Lever Brkt.	N
105	717-0829		Shimano 3-Sp. Cable Spring Brkt.	N
106	717-0828		Shimano 3-Sp. Cable Mounting Spring	N
107	725-1105		Battery Pack	N
108	16360		Battery Plate	N
109	710-0783		Fl-Hd. Phil. Scr. #8-32 x .38" Lg.	
110	736-0168		External L-Wash. #8 I.D.	
111	746-0477		Clutch Control Cable 45" Lg.	
112	731-0564		Plug	
—	8366-000-5		Hardware Pack	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

(462—Red Flake)

When ordering parts, if color or finish is important use the appropriate color code shown above. (e.g. Red Flake Finish—11836 (462).)

Trouble Shooting Chart

Problem	Cause	Remedy
1 Engine fails to start	A Blade control handle disengaged B Check fuel tank for gas C Fuel shut-off valve closed D Spark plug lead wire disconnected E Throttle control lever not in the starting position F Faulty spark plug G Carburetor improperly adjusted, engine flooded H Old stale gasoline I Engine brake engaged J Discharged battery	A Engage blade control handle. B Fill tank if empty. C Open fuel shut-off valve. D Connect lead wire. E Move throttle lever to start position. F Spark should jump gap between control electrode and side electrode. If spark does not jump, replace the spark plug. G Remove spark plug, dry the plug, crank engine with plug removed, and throttle in off position. Replace spark plug and lead wire and resume starting procedures. H Drain and refill with fresh gasoline. I Follow starting procedure. J Refer to battery charging instructions.
2 Hard starting or loss of power	A Spark plug wire loose B Carburetor improperly adjusted C Dirty air cleaner	A Connect and tighten spark plug wire. B Adjust carburetor. See separate engine manual. C Clean air cleaner as described in separate engine manual.
3 Operation erratic	A Dirt in gas tank B Dirty air cleaner C Water in fuel supply D Vent in gas cap plugged E Carburetor improperly adjusted	A Remove the dirt and fill tank with fresh gas. B Clean air cleaner as described in separate engine manual. C Drain contaminated fuel and fill tank with fresh gas. D Clear vent or replace gas cap. E Adjust carburetor. See separate engine manual.
4 Occasional skip (hesitates) at high speed	A Carburetor idle speed too slow B Spark plug gap too close C Carburetor idle mixture adjustment improperly set	A Adjust carburetor. See separate engine manual. B Adjust to .030". C Adjust carburetor. See separate engine manual.
5 Idles poorly	A Spark plug fouled, faulty, or gap too wide B Carburetor improperly adjusted C Dirty air cleaner	A Reset gap to .030" or replace spark plug. B Adjust carburetor. See separate engine manual. C Clean air cleaner as described in separate engine manual.
6 Engine overheats	A Carburetor not adjusted properly B Air flow restricted C Engine oil level low	A Adjust carburetor. See separate engine manual. B Remove blower housing and clean as described in separate engine manual. C Fill crankcase with the proper oil.
7 Excessive vibration	A Cutting blade loose or unbalanced B Bent cutting blade	A Tighten blade and adapter. Balance blade. B Replace blade.

Note: For repairs beyond the minor adjustments listed above, contact your local authorized service dealer.

PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

Parts and service are available through the authorized service firms listed below. All orders should specify the model number of your unit, part numbers, description of parts and the quantity of each part required.

NOTE: If any parts are found to be missing or defective upon assembly of this unit, write to advise the factory so that immediate replacement can be made.

ALABAMA	BIRMINGHAM
Auto Electric & Carburetor Co.	2625 4th Ave. S. 35 233
ARKANSAS	NORTH LITTLE ROCK
Sutton's Lawn Mower Shop	5301 Roundtop Drive Box 368, Rt. 4 72 117
CALIFORNIA	PORTERVILLE
Billious	75 North D Street 93 257
COLORADO	DENVER
Spitzer Industrial Products Co.	6601 N. Washington St. 80 229
FLORIDA	JACKSONVILLE
Radco Distributors	4909 Victor St. Box 5459 32 207
	HIALEAH
Small Eng. Dist.	7995 W. 26th Court 33 016
GEORGIA	EAST POINT
East Point Cycle & Key Inc.	2834 Church St. 30 344
ILLINOIS	LYONS
Keen Edge Co.	8615 Ogden Ave. 60 534
INDIANA	ELKHART
Parts & Sales Inc.	2101 Industrial Pkwy. 46 516
IOWA	DUBUQUE
Power Lawn & Garden Equip.	2551 J.F. Kennedy 52 001
LOUISIANA	NEW ORLEANS
Suhren Engine Co.	8330 Earhart Blvd. 70 118
MARYLAND	TAKOMA PARK
Center Supply Co.	6867 New Hampshire Ave. 20 912
MASSACHUSETTS	SPRINGFIELD
Morton B. Collins Co.	300 Birnie Ave. 0 107
MICHIGAN	LANSING
Lorenz Service Co.	2500 S. Pennsylvania 40 910
	MOUNT CLEMENS
Power Equipment Dist.	340 Hubbard 40 043
MINNESOTA	HOPKINS
Hance Distributing Inc.	420 Excelsior Ave. W. 53 343
MISSOURI	KANSAS CITY
Automotive Equip. Service	3117 Holmes St. 64 109
	ST. JOSEPH
Ross-Frazer Supply Co.	8th and Monterey 64 503
	ST. LOUIS
Henzler, Inc.	2015 Lemay Ferry Rd. 64 125
NEW JERSEY	BELLMAWR
Lawnmower Parts Inc.	717 Creek Rd. 00 030
NEW MEXICO	ALBUQUERQUE
Spitzer Eng. & Parts Co.	1023 Third Ave. N.W. 8 103
NEW YORK	CARTHAGE
Gamble Dist., Inc.	West End Ave. 1 619

BRIGGS AND STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing **Engines—Gasoline**, Briggs & Stratton or Tecumseh Lauson.

OHIO	CARROLL
Stebe's Mid-State Mower Supply	Box 366, 71 High St. 43 112
	CLEVELAND
Bleckrie, Inc.	7900 Lorain Ave. 44 102
	WADSWORTH
National Central	687 Seville Rd. 44 281
	YOUNGSTOWN
Burton Supply Co.	1301 Logan Ave. Box 929 44 501
OKLAHOMA	MUSKOGEE
Victory Motors, Inc.	605 S. Cherokee 74 401
OREGON	PORTLAND
Kenton Supply Co.	8216 N. Denver Ave. 97 217
PENNSYLVANIA	HARRISBURG
EECO Inc.	4021 N. 6th St. 17 110
	PHILADELPHIA
Thompson Rubber Co.	5222-24 N. Fifth St. 19 120
	PITTSBURGH
Bluemont Co.	11125 Frankstown Rd. 15 235
	PUNXSUTAWNEY
Frank Roberts & Sons	R.D. 2 15 767
	SCRANTON
Scranton Auto Ignition Co.	1133-35 Wyoming Ave. 18 509
TENNESSEE	KNOXVILLE
Master Repair Service	2000 Western Ave. 37 921
	MEMPHIS
American Sales & Service, Inc.	3035-43 Bellbrook 38 116
TEXAS	DALLAS
Marr Brothers, Inc.	423 E. Jefferson 75 203
	FORT WORTH
Woodson Sales Corp.	6733 Baker Blvd. Hwy. 10 76 118
	HOUSTON
Bullard Supply Co.	2409 Commerce St. 77 003
	SAN ANTONIO
Engine House Inc.	8610 Botts Lane P.O. Box 17867 78 217
UTAH	BOUNTIFUL
Powered Products	485 N 500 W. 84 010
VIRGINIA	ASHLAND
RBI Corp.	101 Cedar Ridge Dr. 23 005
WASHINGTON	SEATTLE
Equip. Northwest	1410 14th Ave. 98 122
WISCONSIN	CHILTON
Horst Dist. Inc.	444 N. Madison St. 53 014
NORTH CAROLINA	GOLDSBORO
Smith Hardware Co.	515 N. George St. 27 530
	GREENSBORO
Dixie Sales Company	335 N. Green 27 402

WARRANTY PARTS AND SERVICE POLICY

(0484)

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES:

1. Replacement of Missing Parts on new equipment.
2. Replacement of Defective Parts within the warranty period.
3. Repair of Defects within the warranty period.

All claims MUST be substantiated with the following information:

1. Model Number of unit involved.
2. Date unit was purchased or first put into service.
3. Date of failure.
4. Nature of failure.